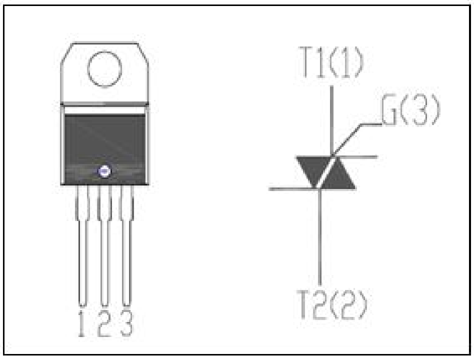
isc Triacs BTA24-800B



FEATURES

- With TO-220AB insulated package
- Suitables for general purpose where high surge current capability is required.Application such as phase control and tatic switching on inductive or resistive load.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	800	V
V_{RRM}	Repetitive peak off-state voltage	800	V
$I_{T(RMS)}$	RMS on-state current (full sine wave)T_j=75℃	25	A
I_{TSM}	Non-repetitive peak on-state current t_p=20ms	250	A
T_j	Operating junction temperature	125	℃
T_{stg}	Storage temperature	-40~150	℃
$R_{th(j-c)}$	Thermal resistance, junction to case	1.7	℃/W
$R_{th(j-a)}$	Thermal resistance, junction to ambient	60	℃/W

ELECTRICAL CHARACTERISTICS (T_C=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		V_R=V_{RRM}, Tj=25℃ V_R=V_{RRM}, Tj=125℃	0.005 3.0	mA
I_{DRM}	Repetitive peak off-state current		V_D=V_{DRM},Tj=25℃ V_D=V_{DRM}, Tj=125℃	0.005 3.0	mA
I_{GT}	Gate trigger current	I	V_D=12V; R_L= 33Ω	50	mA
		II		50	
		III		50	
		IV		100	
I_H	Holding current		I_{GT}= 0.5A, Gate Open	70	mA
V_{GT}	Gate trigger voltage all quadrant		V_D=12V; R_L= 33Ω	1.3	V
V_{TM}	On-state voltage		I_T= 35A; t_p= 380μs	1.55	V